

EFFICIENTLY RELEASING LOCKS WHEN AN EXCEPTION OCCURS

ABSTRACT OF THE DISCLOSURE

5 In preparing inlined program code for compiling, a synchronization depth is recorded in a table for ranges of program counter addresses. Furthermore, a stack frame is dedicated for the recordation of references to objects locked during the execution of the code. Such references are recorded in the stack frame at a location based on synchronization depth. When an exception occurs, the synchronization depth
10 may be determined from the table and used to obtain, from the stack frame, a reference to an object from which a lock should be removed.